

### ABSTRACT OF THE DISCLOSURE

A fuel cell of the invention includes a stacked cell unit having a plurality of stacked cells provided with separators; a stacked cell unit side surface of the stacked cell unit is surface smoothed. Further, a manufacturing method for the fuel cell includes a first step of stacking and fixing a plurality of cells having separators to form a fuel cell unit; and a second step of executing surface smoothing of a stacked cell unit side surface formed from a side surface of each of the separators of the fuel cell unit. In addition, a manufacturing device for the fuel cell fixes a plurality of cells having separators to form a fuel cell unit; and executes surface smoothing of a stacked cell unit side surface formed from a side surface of each of the separators of the fuel cell unit.